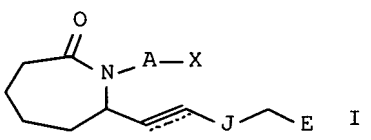
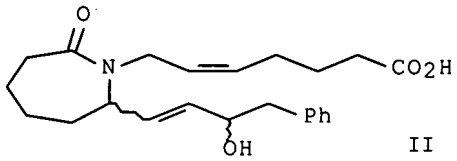
L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:116979 CAPLUS Full-text
DN 144:192031
TI Preparation of prostaglandin analogs as antiglaucoma agents
IN Old, David W.; Dinh, Danny T.; Burk, Robert M.
PA Allergan, Inc., USA
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006014206	A1	20060209	WO 2005-US19408	20050531
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	AU 2005270229	A1	20060209	AU 2005-270229	20050531
	CA 2571782	A1	20060209	CA 2005-2571782	20050531
	EP 1765785	A1	20070328	EP 2005-756187	20050531
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	US 2007054893	A1	20070308	US 2005-549959	20050915
PRAI	US 2004-585142P	P	20040702		
	US 2004-600180P	P	20040809		
	WO 2005-US19408	W	20050531		

OS MARPAT 144:192031
GI



I



II

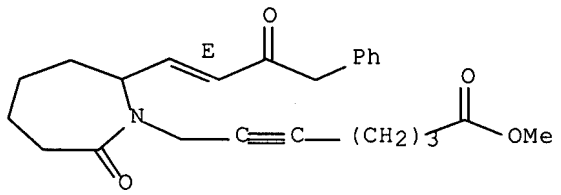
AB Prostaglandin analogs of formula I [A = (CH2)6, cis-CH2CH=CH(CH2)3, CH2C.tplbond.C(CH2)3; X = CO2H, substituted CONH2, etc.; J = CO, CHOH, CH2CHOH; E = alkyl, cycloalkyl, Ph, naphthyl] are prepared for the treatment of glaucoma. Thus, II had EC50 value of 266 nM against hEP4.

IT 875299-82-4P 875299-83-5P 875299-84-6P
875299-85-7P 875299-86-8P 875299-87-9P
875299-88-0P 875299-89-1P 875299-90-4P
875299-91-5P 875299-92-6P 875299-93-7P
875299-94-8P 875299-95-9P 875299-96-0P
875299-97-1P 875299-98-2P 875299-99-3P
875300-00-8P 875300-01-9P 875300-02-0P
875300-03-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)(preparation of azepanone prostaglandin analogs as antiglaucoma agents)

RN 875299-82-4 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-oxo-7-[(1E)-3-oxo-4-phenyl-1-butenyl]-1H-

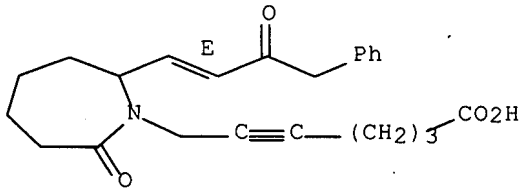
azepin-1-yl]-, methyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



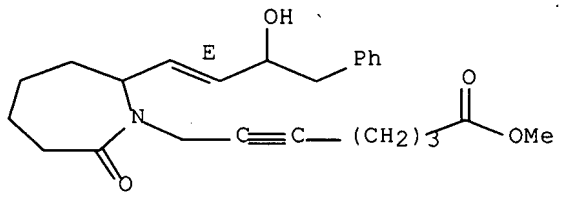
RN 875299-83-5 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-oxo-7-[(1E)-3-oxo-4-phenyl-1-butenyl]-1H-azepin-1-yl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



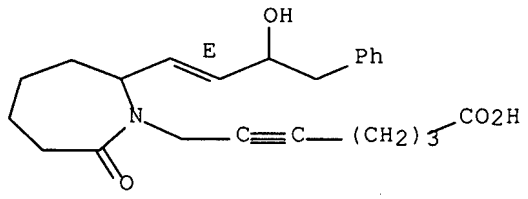
RN 875299-84-6 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-7-oxo-1H-azepin-1-yl]-, methyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

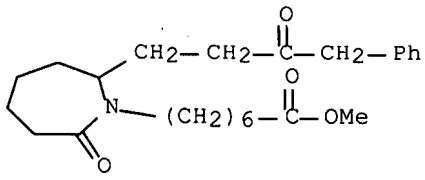


RN 875299-85-7 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-7-oxo-1H-azepin-1-yl]- (9CI) (CA INDEX NAME)

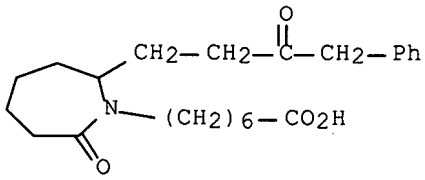
Double bond geometry as shown.



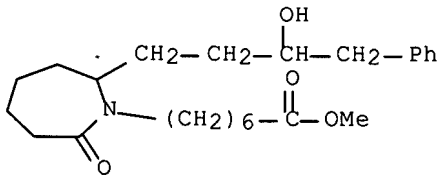
RN 875299-86-8 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-oxo-7-(3-oxo-4-phenylbutyl)-, methyl ester (9CI) (CA INDEX NAME)



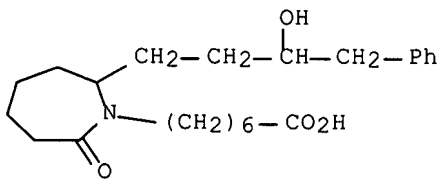
RN 875299-87-9 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-oxo-7-(3-oxo-4-phenylbutyl)-(9CI) (CA INDEX NAME)



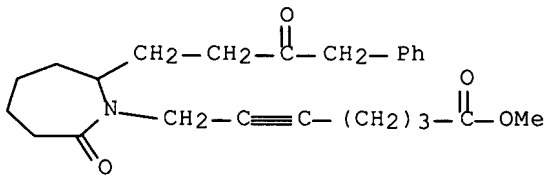
RN 875299-88-0 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-(3-hydroxy-4-phenylbutyl)-7-oxo-, methyl ester (9CI) (CA INDEX NAME)



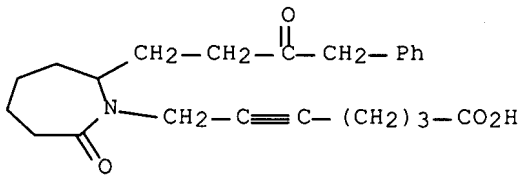
RN 875299-89-1 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-(3-hydroxy-4-phenylbutyl)-7-oxo-(9CI) (CA INDEX NAME)



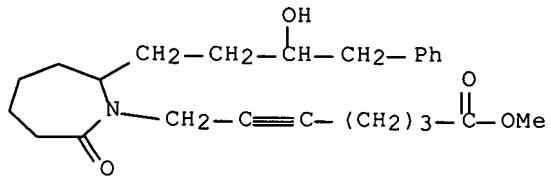
RN 875299-90-4 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-oxo-7-(3-oxo-4-phenylbutyl)-1H-azepin-1-yl]-, methyl ester (9CI) (CA INDEX NAME)



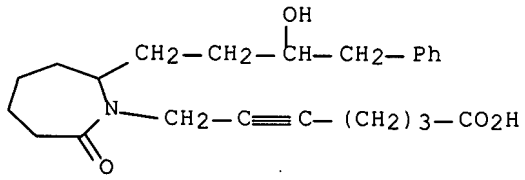
RN 875299-91-5 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-oxo-7-(3-oxo-4-phenylbutyl)-1H-azepin-1-yl]- (9CI) (CA INDEX NAME)



RN 875299-92-6 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-(3-hydroxy-4-phenylbutyl)-7-oxo-1H-azepin-1-yl]-, methyl ester (9CI) (CA INDEX NAME)

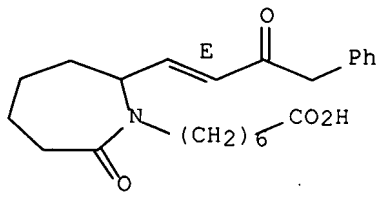


RN 875299-93-7 CAPLUS
CN 5-Heptynoic acid, 7-[hexahydro-2-(3-hydroxy-4-phenylbutyl)-7-oxo-1H-azepin-1-yl]- (9CI) (CA INDEX NAME)



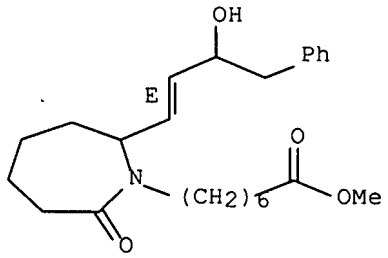
RN 875299-94-8 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-oxo-7-[(1E)-3-oxo-4-phenyl-1-butenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



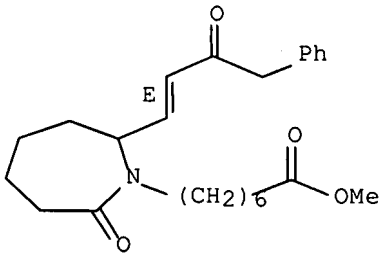
RN 875299-95-9 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-7-oxo-, methyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



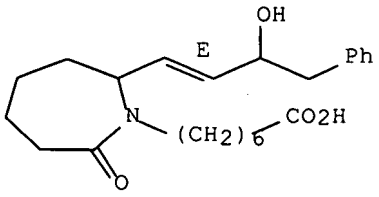
RN 875299-96-0 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-oxo-7-[(1E)-3-oxo-4-phenyl-1-butenyl]-, methyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



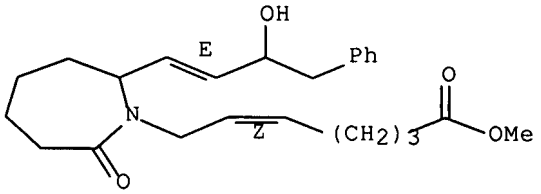
RN 875299-97-1 CAPLUS
CN 1H-Azepine-1-heptanoic acid, hexahydro-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-7-oxo- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



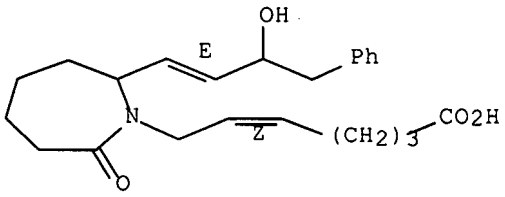
RN 875299-98-2 CAPLUS
CN 5-Heptenoic acid, 7-[hexahydro-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-7-oxo-1H-azepin-1-yl]-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



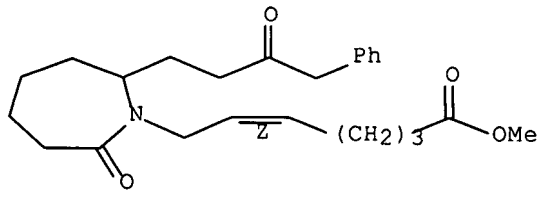
RN 875299-99-3 CAPLUS
CN 5-Heptenoic acid, 7-[hexahydro-2-[(1E)-3-hydroxy-4-phenyl-1-butenyl]-7-oxo-1H-azepin-1-yl]-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



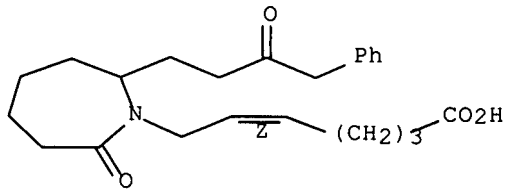
RN 875300-00-8 CAPLUS
CN 5-Heptenoic acid, 7-[hexahydro-2-oxo-7-(3-oxo-4-phenylbutyl)-1H-azepin-1-yl]-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



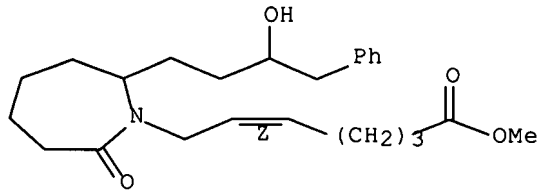
RN 875300-01-9 CAPLUS
CN 5-Heptenoic acid, 7-[hexahydro-2-oxo-7-(3-oxo-4-phenylbutyl)-1H-azepin-1-yl]-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



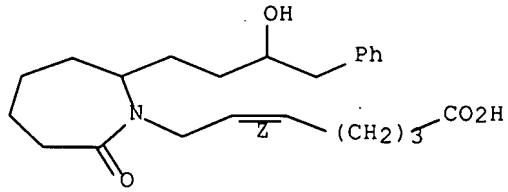
RN 875300-02-0 CAPLUS
CN 5-Heptenoic acid, 7-[hexahydro-2-(3-hydroxy-4-phenylbutyl)-7-oxo-1H-azepin-1-yl]-, methyl ester, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



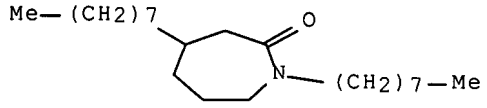
RN 875300-03-1 CAPLUS
CN 5-Heptenoic acid, 7-[hexahydro-2-(3-hydroxy-4-phenylbutyl)-7-oxo-1H-azepin-1-yl]-, (5Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

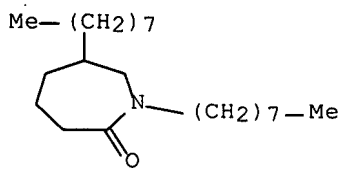


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:128238 CAPLUS Full-text
DN 136:346449
TI Extraction of uranium(VI) and plutonium(IV) from nitric acid solutions by substituted cyclic amides
AU Suzuki, Shinichi; Tamura, Kazunari; Tachimori, Shoichi; Usui, Yoshiharu
CS Department of Material Science, Japan Atomic Energy Research Institute, Ibaraki, 319-1195, Japan
SO Solvent Extraction for the 21st Century, Proceedings of ISEC '99, Barcelona, Spain, July 11-16, 1999 (2001), Meeting Date 1999, Volume 1, 697-702. Editor(s): Cox, Michael; Hidalgo, Manuela; Valiente, Manuel. Publisher: Society of Chemical Industry, London, UK.
CODEN: 69CGL8
DT Conference
LA English
AB The following cyclic amides were used in the study: N-(2-ethyl)hexylcaprolactam (EHCLA), N-octyl-caprolactam (OCLA), 2-octyl-N-(2-ethyl)hexylcaprolactam (2OEHCLA), 3-octyl-N-(2- ethyl)hexylcaprolactam/5-octyl-N-(2-ethyl)hexylcaprolactam mixture (3O,5OEHCLA), and 3-octyl-N-octyl-caprolactam/5-octyl-N-octyl-caprolactam mixture (3O,5OOCLA). The extraction of U(VI) and Pu(IV) by the amides was investigated under various conditions. From the results of distribution ratio(DM) as functions of nitric acid and cyclic amide concns., the authors discussed the effects of the amides structure, i.e., the branched alkyl group attached nitrogen atom and position of substituted octyl group on the extraction behavior of U(VI) and Pu(IV). DU and DPu by OCLA is larger to small extant than that by EHCLA. OCLA and EHCLA resp. concentration of 1 M in dodecane have produced the third phase. By introducing an octyl group to ring part, the third phase disappeared due to the increase of hydrophobicity of cyclic amides. DU and DPu with 2OEHCLA were lower than that with the mixture of 3OEHCLA and 5OEHCLA. Steric hindrance caused by n-octyl group neighboring C=O to the extraction of Pu(IV) is larger than that of U(VI). In this paper, the relationship between the DM and ring structure, especially steric effect around oxygen donor atom of the amides.
IT 224295-68-5 224295-70-9
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); PROC (Process)
(uranium(VI) and plutonium(IV) solvent extraction from nitric acid solns. by
alkyl substituted caprolactams)
RN 224295-68-5 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,4-dioctyl- (9CI) (CA INDEX NAME)



RN 224295-70-9 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,6-dioctyl- (9CI) (CA INDEX NAME)



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

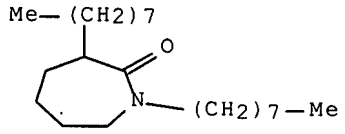
L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:414604 CAPLUS Full-text
DN 135:11460
TI Recovery of technetium from acidic solution by cyclic amide compounds
IN Tatemori, Shoichi; Suzuki, Shinichi
PA Japan Atomic Energy Research Institute, Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001153995	A	20010608	JP 1999-333226	19991124
PRAI	JP 1999-333226		19991124		

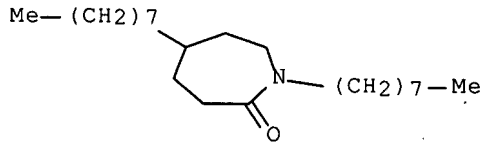
AB The invention relates to extraction and separation of Tc(VII) ion, suited for use in PUREX process to recover radioactive Tc, wherein the cyclic amide compds. are utilized for recovering the Tc from the acidic solution

IT 341497-95-8 341497-97-0
RL: TEM (Technical or engineered material use); USES (Uses)
(recovery of technetium from acidic solution by cyclic amide compds.)

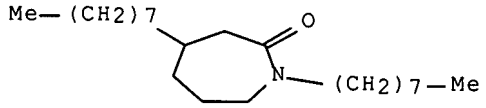
RN 341497-95-8 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,3-dioctyl- (9CI) (CA INDEX NAME)



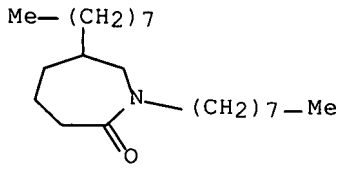
RN 341497-97-0 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,5-dioctyl- (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:294086 CAPLUS Full-text
DN 130:357710
TI Solvent extraction of technetium(VII) by cyclic amides
AU Suzuki, S.; Tamura, K.; Tachimori, S.; Usui, Y.
CS Japan Atomic Energy Research Institute, Tokai, Japan
SO Journal of Radioanalytical and Nuclear Chemistry (1999), 239(2), 377-380
CODEN: JRNCDM; ISSN: 0236-5731
PB Elsevier Science B.V.
DT Journal
LA English
AB The extraction behavior of Tc(VII) with cyclic amides in n-dodecane from HNO3 solution was studied. The amides investigated are N-(2-ethyl)hexylbutyrolactam, N-(2-ethyl)hexylvalerolactam, N-(2-ethyl)hexyl-caprolactam, N-octylcaprolactam, a mixture of 3-octyl-N-(2-ethyl)hexylvalerolactam and 4-octyl-N-(2- ethyl)hexylvalerolactam (3,4-OEHVLA), 2-octyl-N-(2-ethyl)hexylcaprolactam, a mixture of 3-octyl-N-(2-ethyl)hexylcaprolactam and 5-octyl-N-(2- ethyl)hexylcaprolactam, and that of 3-octyl-N-octylcaprolactam and 5-octyl-N-octylcaprolactam. From the results of the distribution ratio of Tc(VII) as a function of acid concentration, cyclic amides concentration and HTcO4 concentration, the effects of both the ring size of cyclic amide and structure of the substituents attached to different positions of the cyclic ring on the extraction behavior of Tc(VII) were discussed. A clear steric hindrance was observed For applications, 3,4-OEHVLA is proposed as the best extractant for Tc from acidic solution
IT 224295-68-5
RL: NUU (Other use, unclassified); USES (Uses)
(solvent extraction of Tc(VII) by cyclic amides)
RN 224295-68-5 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,4-dioctyl- (9CI) (CA INDEX NAME)

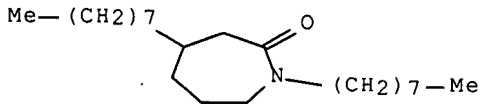


IT 224295-70-9
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(solvent extraction of Tc(VII) by cyclic amides)
RN 224295-70-9 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,6-dioctyl- (9CI) (CA INDEX NAME)

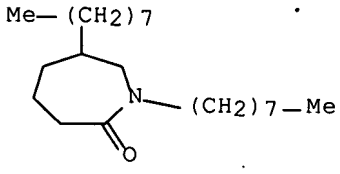


RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1999:223593 CAPLUS Full-text
DN 130:344063
TI Extraction of uranium (VI) and plutonium (IV) from nitric acid solution by substituted cyclic amides
AU Suzuki, Shinichi; Tamura, Kazunari; Tachimori, Shoichi; Usui, Yoshiharu
CS Department of Materials Science, Japan Atomic Energy Research Institute, Ibaraki, 319-1195, Japan
SO Solvent Extraction Research and Development, Japan (1999), 6, 72-79
CODEN: SERDEK; ISSN: 1341-7215
PB Japanese Association of Solvent Extraction
DT Journal
LA English
AB Eight substituted cyclic amides of butyrolactam, valerolactam, and caprolactam have been synthesized and the extraction of U(VI) and Pu(IV) by the amides was studied under various conditions. From the results of distribution ratio measurement for U(VI) and Pu(IV) (DU and DPu), as functions of HNO3 and cyclic amide concns., the effects of the cyclic amide ring size and the structure of substituents attached to different positions in the cyclic ring on the extraction were discussed. N-(2-ethylhexyl)-butyrolactam (EHBLA), N-(2-ethylhexyl)-valerolactam (EHVLA) and N-(2-ethylhexyl)-caprolactam (EHCLA) at a concentration of 1 kmol/m3 in dodecane produced a 3rd phase at relatively high HNO3 concentration in the aqueous phase. By introducing an octyl group to the ring the 3rd phase disappeared. EHVLA extracted U(VI) and Pu(IV) more stronger than EHBLA and EHCLA. DU and DPu values for 2-octyl-N-(2-ethylhexyl)-caprolactam (2OEHCLA) were lower than for the mixture of 3-octyl-N-(2-ethylhexyl)- caprolactam (3OEHCLA) and 5-octyl-N-(2-ethylhexyl)-caprolactam (5OEHCLA). Steric hindrance by an n-octyl group next to the C=O group was greater in the extraction of Pu(IV) than U(VI).
IT 224295-68-5 224295-70-9
RL: NUU (Other use, unclassified); USES (Uses)
(extraction of uranium (VI) and plutonium (IV) from nitric acid solution by substituted cyclic amides)
RN 224295-68-5 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,4-dioctyl- (9CI) (CA INDEX NAME)

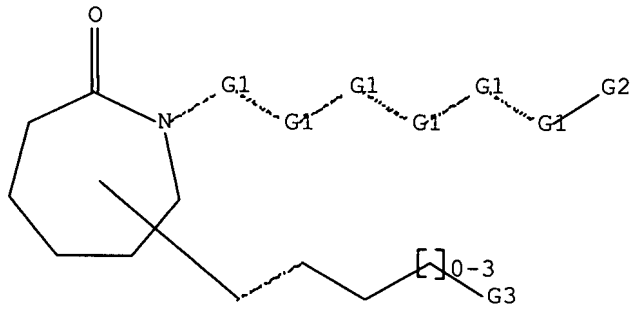


RN 224295-70-9 CAPLUS
CN 2H-Azepin-2-one, hexahydro-1,6-dioctyl- (9CI) (CA INDEX NAME)



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l2; d his; log y
L2 HAS NO ANSWERS
L1 STR



G1 C,O,S
G2 C,S,P,Hy
G3 Cy,Ak

Structure attributes must be viewed using STN Express query preparation.
L2 QUE ABB=ON PLU=ON L1

(FILE 'HOME' ENTERED AT 23:41:37 ON 02 JUL 2007)

FILE 'REGISTRY' ENTERED AT 23:41:51 ON 02 JUL 2007
L1 STRUCTURE UPLOADED
L2 QUE L1
L3 0 S L2
L4 26 S L2 FUL

FILE 'CAPLUS' ENTERED AT 23:42:39 ON 02 JUL 2007
L5 5 S L4

FILE 'MARPAT' ENTERED AT 23:43:26 ON 02 JUL 2007

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.45	199.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.90

STN INTERNATIONAL LOGOFF AT 23:43:58 ON 02 JUL 2007